Audit Plan No. Internal Audit

Audit Date(s) May -June, 2004

Audit Team; Denise Rigney, Marie Holman, Bill Arguto, Anita Provenzano

A. Audit objectives and scope -

Assess whether the EMS implemented at the EPA Region III office (Phila) is conforming to the requirements of ISO standard 14001 and EPA EMS audit protocol. Determine if the EMS has been implemented facility wide and is operating systematically achieving the desired goal

B. Audit Criteria

EMS protocols contained in the EMS procedure section 4-p of the EMS manual and the ISO 14001 protocols

C. Organization/functional units to be audited

Selected functions in the EPA Regional office

D. Contact person	Department/Location	Responsibility
Steve Johnson	Office Of Policy & Mngment	Human Resources
Jon Capacosa	Water Protection Division	Division Director
Ben Mykijewycz	Hazrd Site Cleanup Division	Contracts/ State Support
		Section
Susan Nothnagel	Health Unit	Nurse
Ems Team Meeting		
Yvette Hamilton	Office Of Regional Counsel	EMS team member/ Regional
		Counsel
Brian Kovak	Office Of Policy & Mngment	Facilities Management Safety
		officer
Donna Sutsko	Office Of Policy & Mngment	Facilities Management
Helen McCue	Office Of Policy & Mngment	Facilities Management
Paul Leonard	Hazrd Site Cleanup Division	Federal Facilities Branch

E. High priority elements

The audit team will focus on monitoring and measurement - corrective action and awareness and knowledge of the EMS. A high priority of the audit team will be to assess if the EMS is part of the culture of the organization and integrated into the business organization.

F. Audit procedure(s)	Title	Revision

G. Communication of observations/ findings during the audit

21 findings - 3 acceptable

Bill Arguto, Marie Holman, Denise Rigney

- 13 conditional

- 5 unacceptable

H. Reference documents	Revision				
Website	Current Version - Internet				
Procedures	EPA-R3-EM-02 Rev 3/04				
Aspects & Impacts	1/03 original				
Targets & Objectives	5/03 original				
M anual	3/04				
I. Time/duration of audit					
Audit will consist of a series of interviews of Region I	II personnel, each interview will be no				
longer than 1 hour					
5/24 - 5/27 Interviews Report development June 04					
J. Date	Location(s)				
	EPA Region III				
May - June 04	1650 Arch Street				
	Philadelphia, PA 19103				
L. Audit Team Members					
Bill Arguto, x-3367 (Lead)					
Marie Holman, x- 5463					
Denise Rigney x-2726					
Anita Provenzan0 x-5180	_				
M. Pre-audit conference schedule	N. Daily briefings schedule				
Preliminary meetings to discuss scope, interviews	Brief EMS coordinator as needed				
and material needed for audit and support	Exit brief				
May 10 - 14, 2004					
O. Post- audit conference schedule	P. Audit report schedule				
June 28 - 30, 04	June 04				
Q. Confidentiality requirements: None					
R. Reporting and distribution requirements					
TBD					
Prepared by:	Reviewed and approved by:				

EMS Audit Findings Summary Table

Facility Name: U. S. Environmental Protection Agency, Region III

Team: Marie Holman **Date:** June, 2004

Denise Rigney William Arguto Anita Provenzano

Rating	Findi ng No.	Finding/ISO Std. No.	Comment
Acceptable	7	4.3.3 Objectives and Targets	Regional objectives and targets are listed on the website; discussed at EMS teammeetings; and are part of the awareness training to all employees
Acceptable	8	4.3.4 Environmental Management Program(EMP)	Regional Action Plans are well-established for the 3 significant regional aspects (gas, electricity and paper).
Acceptable	16	4.4.3 Communication	Communication of the EMS could be enhanced with information on the presence of the objective and targets updated more frequently.
Unacceptable	5	4.3.2 Legal and Other Requirements	The EO 13101 and RCRA 6002 requiring Affirmative Procurement is not well-understood or complied with. The Region has not identified a Regional Recycling Coordinator, per E.O. 13101, Environmental Preferable Purchasing.
Unacceptable	13	4.4.2 Training, Awareness and Competence	Greater need for Professional EMS training and auditor training.

Unacceptable	19	4.4.6 Operational Controls	EMS shall extend to contractors.
Unacceptable	20	4.5.2Non- Conformance and Corrective and Preventive Action	The Corrective Action Report from the EMS December 2003 audit does not follow the EMS Regional Procedure Manual.
Unacceptable	21	4.6 Management Review	The Environmental Management Systemshould be evaluated to ensure its continuing suitability, adequacy and effectiveness. This review shall be documented. There is no available documented management review.
Conditional	1	4.2 Environmental Policy	The environmental policy should be strengthened by specifically including language in its scope to include the activities of contractors.
Conditional	2	4.3 Planning 4.3.1 Environmental Aspects	There is no evidence of additional activities and their associated aspects/impacts being evaluated. There is no periodic review established at this time.
Conditional	3	4.3.2 Legal and Other Requirements	compliance with E.O. 13148 in reducing use of hazardous materials (mercury in the Health Unit).
Conditional	4	4.3.2 Legal and Other Requirements	contractual requirements not included in the list of "Legal and Other Requirements."
Conditional	6	4.3.2 Legal and Other Requirements	Unable to determine if the EMS team evaluated internal instructions and Regional Orders.
Conditional	9	4.3.4 Environmental Management Program(EMP)	The Environmental Management Program (EMP) does not solicit new or best management practices that can be incorporated to enhance meeting the objective of the significant environmental aspect. It's limited and narrowly written (too prescriptive).
Conditional	10	4.4.1 Structure and Responsibility	Roles and responsibilities at the Division level are not fully defined or understood
Conditional	11	4.4.3 Implementation and Operations 4.2.1 Structure and Responsibility	Roles and Responsibilities at the Division level not fully defined
Conditional	12	4.4 - 4.4.2 Training, Awareness and Competence	New employee orientation training does not cover EMS awareness training.
Conditional	14	4.4.3 Communication	There is no formal communication mechanism back to the EMS coordination
Conditional	15	4.4.3 Communication	The EMS audit found formal communication links at certain levels of the organization but not at all levels.
Conditional	17	4.4.3 Communication	Operational Controls not communicated to all levels.

Conditional	18	4.4.5 Document Control	The EMS Regional Procedure Manual needs to include approval signature lines for senior management review and
			evaluation in all of the applicable procedures. Also, the documents need to be dated and the specific author identified

Facility Name: U.S. Environmental Protection Agency Region III Date: July 2004 **Requirement:** 4.2 Environmental Policy **Finding** <u>1</u>: The environmental policy does not include language to address contractor/subcontractors and does not contain a commitment to sustainability. 1. What is your rating for this activity? Conditional 2. In which areas or criteria do you find this activity strong? The environmental policy has been established, signed by top management, and communicated to all employees. 3. In which areas or criteria do you find this activity weak? The environmental policy should be strengthened by specifically including language in its scope to include the activities of contractors. 4. Comments on environmental management policies and procedures reviewed during this audit: Management may want to consider "sustainability principals" in their EMS policy statement. 5. Comments on management quality and information organization:

Requirement: 4.3 Planning 4.3.1 Environmental Aspects

Finding <u>2</u>: The organization has not kept the information on the aspects/impacts up-to-date. New aspects have not been reviewed/re-evaluated.

1. What is your rating for this activity? Conditional

2. In which areas or criteria do you find this activity strong?

The EMS has established a set of significant aspects (gas, electric, paper) and has made significant progress.

3. In which areas or criteria do you find this activity weak?

There is no evidence of additional activities and their associated aspects/impacts being evaluated. It is unclear (section 4 procedures) how and when the periodic review (including the management review) will be conducted to determine when the new aspects and impacts will be addressed.

4. Comments on environmental management policies and procedures reviewed during this audit:

Commitment to Continual Improvement

- 1. Management may want to re-evaluate R3's activities, products and services and their related environmental impacts, e.g., opportunity to "green" conferences, etc.
- 2. Audit team was unable to identify if sufficient resources would be allocated to the EMS implementation over a sustained period (no regular source of funding for EMS projects and training).

5.	Comment	ts on	managemen	t quali	ty	and	lini	forma	tion	organiza	tio	n:
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Requirement: 4.3.2 Legal and Other Requirements

Finding 4:
E.O. 13148, Section 205, Use Reduction, Toxic Chemicals and Hazardous Substances and other pollutants, e.g., mercury.
1. What is your rating for this activity? Conditional
2. In which areas or criteria do you find this activity strong?
The EMS integration team (SHEM has the lead) has identified and has access to legal and other requirements. Office of Regional Counsel representative is on EMS integration team and provides consultation to management.
3. In which areas or criteria do you find this activity weak?
May not be completely complying with E.O. 13148 in reducing use of hazardous materials (mercury in the Health Unit).
4. Comments on environmental management policies and procedures reviewed during this audit:
5. Comments on management quality and information organization:

Requirement: 4.3.2 Legal and Other Requirements
Finding 4:
No contractual requirements included in the list of "Legal and Other Requirements." Management needs to clearly communicate legal and other requirements to all employees. ("Provide Access" to the legal standard by translating into non-technical language, e.g contract requirements.
1. What is your rating for this activity? Conditional
2. In which areas or criteria do you find this activity strong?
3. In which areas or criteria do you find this activity weak?
A Region III EMS statement needs to be included in the "terms and conditions" of contracts
especially for contracts that effect our significant aspects
4. Comments on environmental management policies and procedures reviewed during
this audit:
5. Comments on management quality and information organization:

Requirement: 4.3.2 Legal and Other Requirements

Finding <u>5</u> :
The Executive Order 13101 requiring Green Purchasing and RCRA 6002 requiring
Affirmative Procurement is not well-understood or complied with. Also, the Region has
not identified a Regional Recycling Coordinator, per E.O. 13101, Environmental
Preferable Purchasing.
1. What is your rating for this activity? Unacceptable
2. In which areas or criteria do you find this activity strong?
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3. In which areas or criteria do you find this activity weak?
1. All requirements of E.O. 13101 should be examined to develop the significant
environmental aspects.
2. Many interviewers were concerned or did not know of the requirements and expressed
concern about controlling credit card purchases. The audit team could not determine
the level of compliance with those requirements. Also, many interviewees did not
have a full understanding of the requirements and were concerned about controlling
credit card purchases.
3. The audit team could not determine the level of compliance with the applicable EOs
and RCRA 6002.
4. Comments on environmental management policies and procedures reviewed during
this audit:
5. Comments on management quality and information organization:
Signature of EMS Auditor(s):

Requirement: 4.3.4 Environmental Management Program (EMP)

Finding 8:

Regional Action Plans are well-established for the 3 significant regional aspects (gas, electricity and paper).

1. What is your rating for this activity? Acceptable

2. In which areas or criteria do you find this activity strong?

The Region has established Regional Action Plans to meet its objective and targets. The Regional Action Plans are part of the EMS and located on the EMS internet page.

3. In which areas or criteria do you find this activity weak?

The Regional Action Plans are hard to locate on the website given the large amount of information supportive of the EMS.

4. Comments on environmental management policies and procedures reviewed during this audit:

- 1. Management may want to develop an "EMS lite webpage" to summarize the main highlights. Currently, EMP list the designate position for achieving the objectives and targets; may want to list the responsible employee by name.
- 2. Employees and mid-level managers are not aware of EMPs and targets.
- 3. EMS/EMP are not part of the regular work culture; the EMS is still viewed by many as an "add-on program" (another transitory project or other people work on it).

		management				

Requirement: 4.3.4 Environmental Management Program (EMP)

Finding <u>9</u> :		
The Environmental Management Program (EMP) does not solicit new or best management practices that can be incorporated to enhance meeting the objective of the significant environmental aspect. It's limited and narrowly written (too perscriptive).		
1. What is your rating for this activity? Conditional		
- Acceptable / Conditional, after corrective actions / Unacceptable		
2. In which areas or criteria do you find this activity strong?		
The EMPs that are established have well-written and formal goals, targets and objectives.		
3. In which areas or criteria do you find this activity weak?		
E.g., Paper reduction activities in either areas are not shared for all to incorporate. For example: The EMP process does not allow other approaches or better ideas to be communicated or shared. A best management practice approach should be developed in the EMPs to increase communication of the Regional EMS (publicize mini-success stories).		
4. Comments on environmental management policies and procedures reviewed during this audit:		
5. Comments on management quality and information organization:		

Requirement: 4.4.3 Implementation and Operations 4.2.1 Structure and Responsibility			
Finding 11:			
Roles and Responsibilities at the Division level not fully defined.			
1. What is your rating for this activity? Conditional			
2. In which areas or criteria do you find this activity strong?			
3. In which areas or criteria do you find this activity weak?			
Roles and responsibilities are defined for the EMS coordinator but the role of each division is not well-understood. A clearer definition of the roles of the division and within the division would also push down the responsibility of implementing the EMS closer to staff.			
4. Comments on environmental management policies and procedures reviewed during this audit:			
5. Comments on management quality and information organization:			

Facility Name: U.S. Environmental Protection Agency Region III Date: **Requirement:** 4.4 - 4.4.2 Training, Awareness and Competence Finding 12: New employee orientation training does not cover EMS awareness training. 1. What is your rating for this activity? Conditional 2. In which areas or criteria do you find this activity strong? Awareness Training completed and documented. 3. In which areas or criteria do you find this activity weak? The Region 3 EMS procedures requires that all new employees will receive EMS awareness training. This is not part of the Human Resource's new employee orientation information at this time. 4. Comments on environmental management policies and procedures reviewed during this audit: 5. Comments on management quality and information organization:

Requirement: 4.4.1 Structure and Responsibility

Finding 10:			
Roles and responsibilities at the Division level are not fully defined or understood.			
1. What is your rating for this activity? Conditional			
2. In which areas or criteria do you find this activity strong?			
The EMS is well-documented on a regional level; however, the audit team recommends that the divisions should take on a greater responsibility of implementing the EMS objectives and targets.			
3. In which areas or criteria do you find this activity weak?			
The EMS could be better communicated in order to facilitate effective environmental management. The EMS coordinator needs support from all supervisory staff to actively communicate the EMS message to employees. Clearer responsibilities at the Division and lower level(s) would be beneficial.			
4. Comments on environmental management policies and procedures reviewed during this audit:			
5. Comments on management quality and information organization:			

Requirement: 4.4 - 4.4.2 Training, Awareness and Competence Finding __: New employee orientation training does not cover EMS awareness training. 1. What is your rating for this activity? Conditional - Acceptable / Conditional, after corrective actions / Unacceptable 2. In which areas or criteria do you find this activity strong? Awareness training completed and documented. 3. In which areas or criteria do you find this activity weak? The Region 3 EMS procedures requires that all new employees will receive EMS awareness training. This is not part of the Human Resource's new employee orientation information at this time. 4. Comments on environmental management policies and procedures reviewed during this audit: 5. Comments on management quality and information organization:

Facility Name: U.S. Environmental Protection Agency Region III Date:

Requirement: 4.4.2 Training, Awareness and Competence

Finding <u>13</u> :		
Greater need for Professional EMS training and auditor training.		
1. What is your rating for this activity? Unacceptable/Conditional		
2. In which areas or criteria do you find this activity strong?		
There are some trained auditors and EMS training has been provided in the Region.		
3. In which areas or criteria do you find this activity weak?		
EMS's are being used throughout different programs - SEPs, Performance Track, and public sector municipal assistances, that will require a more in-depth knowledge of EMS by the staff. Also, because of the size of the organization and the scope of a Regional EMS there is a need for more auditors to be available for internal audits.		
4. Comments on environmental management policies and procedures reviewed during this audit:		
5. Comments on management quality and information organization:		

Requirement: 4.4.3 Communication
Finding <u>14</u> :
There is no formal communication mechanism back to the EMS coordinator.
1. What is your rating for this activity? Conditional
2. In which areas or criteria do you find this activity strong?
3. In which areas or criteria do you find this activity weak?
There is no feedback loop from staff to communicate up to the coordinator (EMS Team) with new ideas or recommendations. (Suggestion; Team may want to solicit feedback on a regular basis)
4. Comments on environmental management policies and procedures reviewed during this audit:
5. Comments on management quality and information organization:

Requirement: 4.4.3 Communication

Finding 15 :
The EMS audit found formal communication links at certain levels of the organization but not at all levels.
1. What is your rating for this activity? Conditional
2. In which areas or criteria do you find this activity strong?
There was a clear connection of communication from senior management to the division level.
3. In which areas or criteria do you find this activity weak?
There seems to be a lack of awareness of the goals and progress from the division down to staff, except for the staff on the EMS integration team.
4. Comments on environmental management policies and procedures reviewed during this audit:
There appears to be a need to get line management to "own " EMS performance to become a best performer.
5. Comments on management quality and information organization:

STOPPED HERE Facility Name: U.S. Environmental Protection Agency Region III Date: Requirement: 4.4.3 Communication Finding 16: Communication of the EMS could be enhanced with information on the presence of the objective and targets updated more frequently. 1. What is your rating for this activity? Acceptable 2. In which areas or criteria do you find this activity strong? Updates were provided; increasing the frequency of the updates may maintain interest and inspire employees to do more. Thus, increasing results in all levels of the

4. Comments on environmental management policies and procedures reviewed during this audit:

5. Comments on management quality and information organization:

Signature of EMS Auditor(s):

organization.

Requirement: 4.3.3 Objectives and Targets

Finding <u>17</u> :
Regional objectives and targets are listed on the website; discussed at EMS team meetings; and are part of the awareness training to all employees.
1. What is your rating for this activity? Acceptable
2. In which areas or criteria do you find this activity strong?
The Region has established the objectives and targets for its significant environmental aspects. The objectives and targets are documented on the Region 3 EMS internet website.
3. In which areas or criteria do you find this activity weak?
Current ways to communicate the Regional objectives and targets may not be effective. Most employees are not aware of the objectives and targets of the EMS.
4. Comments on environmental management policies and procedures reviewed during this audit:
Interested parties are mentioned, but no effort to define them. Also, the procedure requires the organization to keep the view of interested parties. (Audit team was unable to determine if this is being done.)
5. Comments on management quality and information organization:

Requirement: 4.4.5 Document Control (See related funding)
Finding <u>18</u> :
The EMS Regional Procedure Manual needs to include approval signature lines for senior management review and evaluation in all of the applicable procedures. Also, the documents need to be dated and the specific author identified.
1. What is your rating for this activity? Conditional
2. In which areas or criteria do you find this activity strong?
3. In which areas or criteria do you find this activity weak?
4. Comments on environmental management policies and procedures reviewed during
this audit:
5. Comments on management quality and information organization:

Requirement: 4.4.5 Document Control (Also, see 4.5.3 and 4.6)

Finding 19 :			
Corrective Action Report Form, EPA HQ Audit (Dec. 03) not signed by top			
management. No indication of management review/evaluation and approval.			
1. What is your rating for this activity? Unacceptable			
- Acceptable / Conditional, after corrective actions / Unacceptable			
- Acceptable / Conditional, after corrective actions / Onacceptable			
2. In which areas or criteria do you find this activity strong?			
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3. In which areas or criteria do you find this activity weak?			
4. Comments on environmental management policies and procedures reviewed during			
this audit:			
this audit:			
5. Comments on management quality and information organization:			
or comments on management quarity and information organization.			

Requirement: 4.4.6 Operational Controls
Finding <u>20</u> :
EMS shall extend to contractors.
1. What is your rating for this activity? Unacceptable
2. In which areas or criteria do you find this activity strong?
2. In which areas of criteria do you find this activity strong:
3. In which areas or criteria do you find this activity weak?
The scope of the Region III EMS needs to include contractors.
4. Comments on environmental management policies and procedures reviewed during
this audit:
It's identified in the manual but may not be occurring in practice because employees
responsible are not aware of operating controls.
5. Comments on management quality and information organization:
Employees and managers are not aware of operational controls even though they have
responsibility for participating in the implementation. No operational controls for
divisions and offices (opreational controls are regional and general; some offices could
benefit from direction.

Requirement: 4.5.2	Non-Conformance and Corrective and Preventive Action (See 4.6 and 4.4.5)
Finding <u>21</u> :	
The Corrective Ac EMS Regional Pro	tion Report from the EMS December 2003 audit does not follow the cedure Manual.
1. What is your rating fo	or this activity? Unacceptable
2. In which areas or crite	eria do you find this activity strong?
3. In which areas or crite	eria do you find this activity weak?
	rive action and the date of completion of preventive action was not rective action report. See EMS Procedure P.
4. Comments on environ	mental management policies and procedures reviewed during
this audit:	
5 C	
5. Comments on manage	ement quality and information organization:

Requirement: 4.6 Management Review

Finding <u>21</u> :
The Management Review shall be documented.
1. What is your rating for this activity? Unacceptable
10 11 11 11 11 11 11 11 11 11 11 11 11 1
2. In which areas or criteria do you find this activity strong?
3. In which areas or criteria do you find this activity weak?
The Environmental Management System should be evaluated to ensure its continuing suitability, adequacy and effectiveness. This review shall be documented. There is no available documented management review.
4. Comments on environmental management policies and procedures reviewed during this audit:
5. Comments on management quality and information organization:

Requirement: 4.4.3 Communication Finding <u>17</u>: Operational Controls not communicated to all levels. 1. What is your rating for this activity? Conditional 2. In which areas or criteria do you find this activity strong? Very good website; however, most employees do not use. 3. In which areas or criteria do you find this activity weak? Need to use more creative ways to communicate the regional EMS message. E.g., write success stories in the "Protector"; use computer pop-ups for tip of the day; brainstorm possible EMS operational controls at office retreats, etc. 4. Comments on environmental management policies and procedures reviewed during this audit: 5. Comments on management quality and information organization:

Facility Name: U.S. Environmental Protection Agency Region III Date: